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C Moore**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Application

In Re: Korn, et al.

Serial No: 09/707,710

Filed: 11/7/2000

For: System and Process for Post Alignment  
Polarization Extinction Ratio Compensation  
in Semiconductor Laser System

Group: 2881

Examiner: Wang, George

Date: September 18, 2002

**AMENDMENT UNDER RULE 111****FAX COPY RECEIVED**

SEP 18 2002

Assistant Commission for Patents  
Washington, D.C. 20231

TECHNOLOGY CENTER 2800

Sir:

In the above-captioned patent application, and in response to the pending Office Action, mailed March 18, 2002 (Paper No. 6), entry of the following amendments and reconsideration is respectfully requested.

**In the Specification:**

*Replace the paragraph beginning at page 3, line 22, in the specification as originally filed, with the following rewritten paragraph:*

A1

-- The degradation in the PER ratio of the optical systems results from mechanical stresses placed on the fiber during the manufacture of the systems. For example, in the case of optical pump manufacturing, the semiconductor laser is installed on a submount. The PM fiber enters a package through a fiber feedthrough in a ferrule and then is secured down onto the submount, such that the endface of the pigtail is held in proximity to the exit facet of the semiconductor laser. In such systems, highly robust fixturing processes are used, typically such as solder bonding, in which the fiber is metalized and solder bonded either directly or indirectly to the submount. Further, solder is typically